

## NEW SPECIES OF NORTH AMERICAN MYRMELIONIDÆ.

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## III.

BRACHYNEMURUS HUBBARDII, new species.

*Male*.—Length, 46 mm.; expanse of wings, 49.5 mm.; greatest width of anterior wing, 6 mm.; length of antenna, 9 mm. Very slender; yellow, marked with dark fuscous; sparsely hairy, more thickly on abdomen.

Face scarcely convex, yellowish; above, a broad pitchy-black band, notched in middle below, extending around the antennæ on outer side; a faint fuscous line extends from centre of notch almost to clypeus; furrow between face and inner orbit of the eye, fuscous. Circumocular area yellowish, except along depressed portion of the vertex, where it is dark fuscous, and below, near maxillary palpiger, where there is a black spot. Clypeus yellowish, with a few coarse black hairs. Labrum transverse, rounded laterally and narrowed anteriorly, somewhat emarginate in front, yellowish, slightly tinged with rufous, several coarse dark hairs on anterior border. Mandibles piceous, black at tips; on inner edge, near apex, a tooth.

Maxillary palpi yellowish, slightly tinged with rufous apically; first two joints short, subequal, about as broad as long; third joint somewhat longer than first two together, perceptibly curved, enlarged apically; fourth joint straight, a little shorter than third; last joint somewhat longer than third, subcylindrical, truncate at tip, and slightly notched.

Labial palpi about same length as maxillary, yellowish; first joint not quite twice as long as broad, enlarged apically; second joint more than twice as long as first, slightly curved, strongly widened and thickened apically; third joint about same length as second, fusiform, faintly hairy, tinged with rufous around ocelloid spot and on tip; the latter fine, truncate, slightly notched.

Maxillary palpigers yellowish, with some dark fuscous spots. Labium, labial palpigers, mentum and gula yellowish, the latter clouded with fuscous; the mentum bears a long, coarse, black bristle and a few black hairs.

Antennæ clavate, longer than head and thorax; fuscous, articulations yellowish, more distinctly so on basal joints; clothed with very short,

stiff hairs ; first and second antennal joints piceous, yellowish at bases and apices ; a yellowish crescent bounds base of first joint in front. Between the antennæ posteriorly, a narrow transverse yellowish band.

Vertex elevated behind, rounded, yellowish ; in front, on depressed portion and anterior part of elevated portion, dark fuscous ; longitudinal median furrow and an irregular spot each side, behind, dark fuscous.

Pronotum as broad as long at base, somewhat narrowed anteriorly, yellowish ; anterior angles rounded, front margin slightly emarginate ; four longitudinal dark fuscous lines.\* Lateral carinæ yellowish. Below yellowish ; on each side, at base of anterior legs, a dark fuscous spot, produced anteriorly along the carina.

Mesonotum yellowish ; lobes moderately elevated, marked similarly to those of *B. 4-punctatus*.† Sides and beneath yellowish, marked with fuscous.

Metanotum yellowish, lobes less elevated than those of mesonotum ; marked much as those of *B. 4-punctatus* ; the two longitudinal lines which unite to form the "U" and heart-shaped markings in the latter, however, approach medially, but do not meet, in this species, giving the appearance of a letter "X" when viewed from a distance. Sides and beneath yellowish, marked with fuscous.

Abdomen longer than wings, yellowish, a fuscous stripe each side, on dorsum and venter ; the dorsal stripe is separated from the ventral by the lateral suture only ; a longitudinal median fuscous stripe on venter on basal segments. A longitudinal median fuscous line, also, on dorsum of apical segments. All markings of apical segments more extended so as to make these segments almost entirely fuscous.

Tip of abdomen luteous, clouded with fuscous ; clothed with long dark hairs ; appendages one-half the length of seventh segment, slender, somewhat flattened laterally, divergent on apical half ; luteous, clouded with fuscous, clothed with coarse black bristles ; between the appendages below, a short triangular fuscous plate.‡

Legs short and slender, yellowish, beset with numerous black hairs

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\*On the female specimen, the outer lines are nearly interrupted at the transverse furrow.

†CAN. ENT., XXX., 5, 1898, p. 138. These markings seem to be, in a rough way, continuations of the four longitudinal lines of the pronotum.

‡This seems to be the ventral projection of the short eighth segment.

and some coarse black spines (most of which latter are black, the rest luteous); tibiae each with a transverse piceous line on outer side near base; sometimes clouded with piceous at articulations with femora; ringed with piceous at their apices. Tibial spurs as long as first two tarsal joints, in anterior and middle legs (in posterior, somewhat shorter); slightly curved, rufo-piceous. Tarsal joints piceous at their apices; claws considerably more than half the length of last tarsal joint, moderately curved, rufo-piceous.

Wings of moderate size, hyaline, the posterior margins sinuate apically; venation hairy. Pterostigma small, luteous, reaching forward only half way to the costal margin. Intercostrals in apical half of anterior wings forked, a somewhat less number forked in posterior wings. Veins luteous, interrupted, principally at junctures with other veins, with fuscous.

Anterior wings with series of small fuscous spots or cloudings, principally along anterior side of submedian vein and posterior side of the first longitudinal vein above it; a few spots and cloudings also at tip of submedian vein, at bases of smaller forks, and along veins near posterior border; posterior wings quite a little shorter than anterior, immaculate. Posterior borders of both wings fringed with fine hairs.

*Female*.—Length, 28 mm.; expanse of wings, 49.5 mm.; greatest width of anterior wing, 6.3 mm.; length of antenna, 6 mm.

Antennæ more clavate than in male. Abdomen a little shorter than wings; marked similarly to that of the male, but the mid-dorsal stripe exists on all the segments, while the mid-ventral stripe of basal segments is absent. Tip of abdomen luteous, clothed above with long black hairs; superior parts split; inferior part beset with coarse, blunt, black spines; below, two small cylindrical luteous appendages, three times as long as broad, with some very long, black hairs or bristles. Anterior wings almost immaculate, a few very small faint cloudings along submedian and post-costal veins.

*Type*.—No. 4070, U. S. National Museum. One male specimen collected at Fort Grant, Arizona, July 22, 1897, by Mr. Henry G. Hubbard.

No. 4070 a, U. S. National Museum. One female, with same locality and date, collected by Mr. Hubbard.

A handsome little species, resembling somewhat, in general appearance, *B. abdominalis* (Say).